BD|SENSORS
pressure measurement

CIT 200

Process Display

Functional range

- ▶ free scalable display
- ▶ four characteristic curve functions selectable (linear, square, square root or user defined)
- ▶ display brightness and filter adjustable
- ▶ programming via infrared remote control

Product characteristics

- ▶ input 0/4 ... 20 mA, 0/1/2 ... 5/10 V
- ▶ 4-digit LED display
- ▶ interface RS-485 (Modbus RTU)
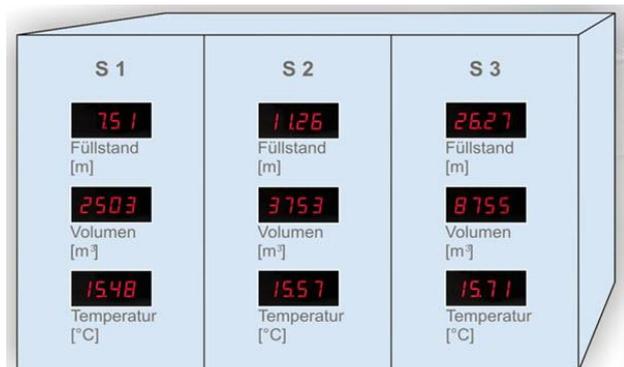- ▶ front panel housing 72 x 36 mm

Optional versions

- ▶ input Pt100 / Pt500 / Pt1000

Typical application
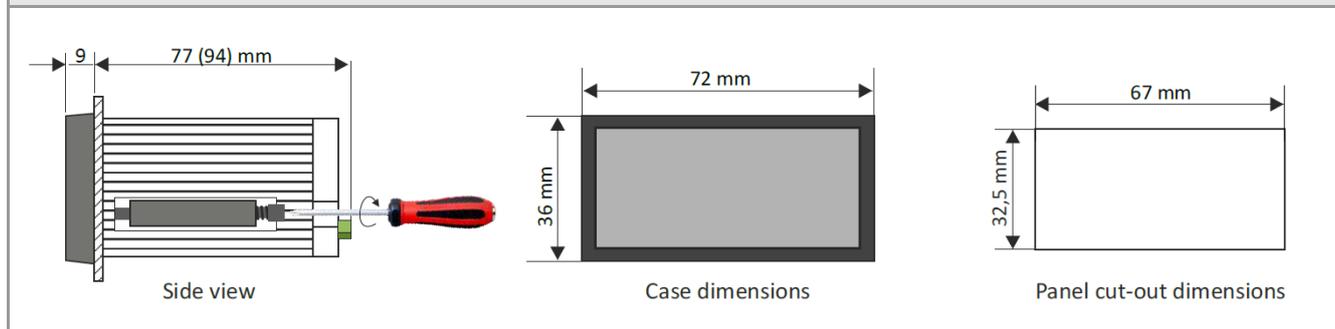
display panel for silo battery

S 1	S 2	S 3
75 1	1 126	26.27
Füllstand [m]	Füllstand [m]	Füllstand [m]
2503	3753	8755
Volumen [m³]	Volumen [m³]	Volumen [m³]
15.48	15.57	15.71
Temperatur [°C]	Temperatur [°C]	Temperatur [°C]

CE RoHS REACH **Modbus**

Supply	
Supply voltage / power consumption	10 … 30 V_{DC} (not isolated from signal input) / max. 1 W 110 V_{AC} ± 10 % (isolated from signal input) / max. 1,5 VA 230 V_{AC} ± 10 % (isolated from signal input) / max. 1,5 VA

Signal input	
Input signal	0/4 … 20 mA, 0/1 … 5 V, 0/2 … 10 V PT100 / PT500 / PT1000
Accuracy (25 °C)	± 0.1 % FSO, stability: 50 ppm/°C

Display	
Display	LED, red, 4 x 13 mm
Display range	0/4 … 20 mA, 0/1 … 5 V, 0/2 … 10 V: - 999 … 9999 + decimal point Pt100 / Pt500 / Pt1000: -100,0 … 600,0 °C

Communication	
Communication interface	RS-485 (Modbus RTU), 8N1/8N2, 1200 – 115200 bit/s

Ingress protection	
Standard	IP 40 (front side), IP 20 (case and connectors)
Option	IP 65 (front side with additional sealing frame for panel cut-out), IP 20 (case and connectors)

Permissible temperatures	
Standard	environment: 0 … 50 °C, storage: -10 … 70 °C
Option	environment: -20 … 50 °C, storage: -20 … 70 °C

Electrical protection	
Electrical safety	EN 61010-1
EMC	EN 61326-1
CE-conformity	EMC Directive: 2014/30/EU

Housing	
Housing type / dimensions	10 … 30 V_{DC}: front panel mounting / 72 x 36 x 86 mm 110 V_{AC}: front panel mounting / 72 x 36 x 103 mm 230 V_{AC}: front panel mounting / 72 x 36 x 103 mm
Material	NORYL UL94V-0
Weight	approx. 175 g

Dimensions

Side view

Case dimensions

Panel cut-out dimensions

Accessories

Infrared remote control IR 2

Enables setting of CIT 200.

Material number: Z900033

CIT200_E_010122